



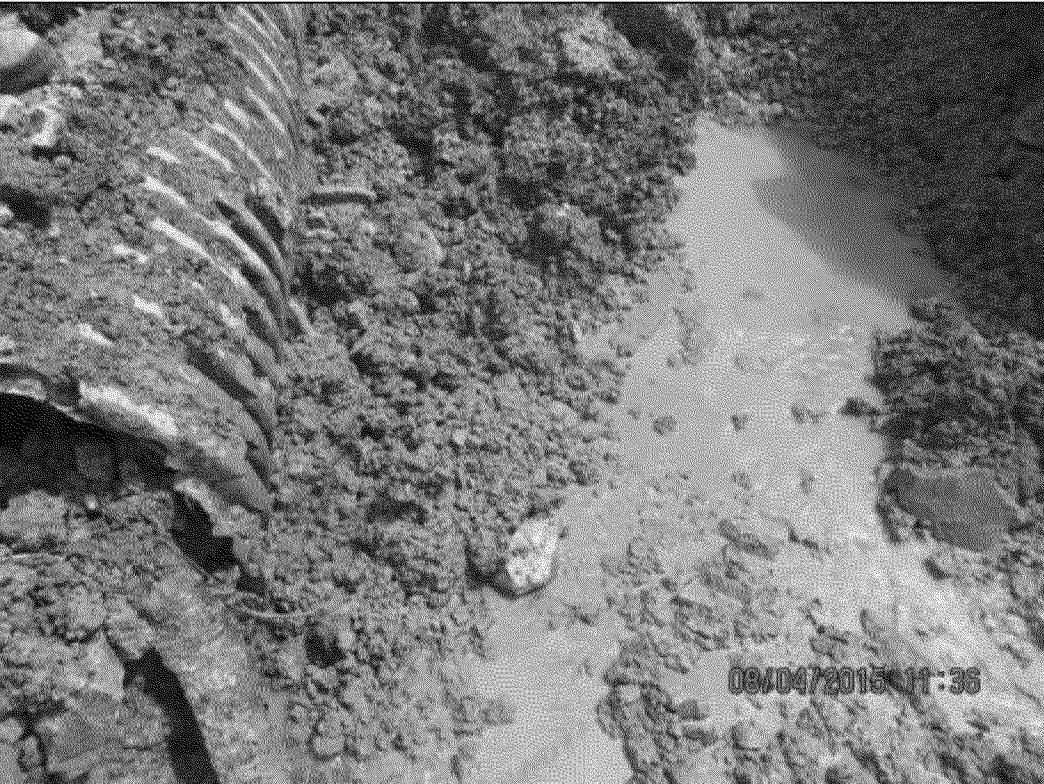
## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
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<b>Photo No.</b> <b>1</b>	<b>Date:</b> 08/04/2015	 08/04/2015 10:28
<b>Direction Photo Taken:</b> North	<b>Description:</b> Beginning investigation into collapsed adit.	
<b>Photo No.</b> <b>2</b>	<b>Date:</b> 08/04/2015	 08/04/2015 11:33
<b>Direction Photo Taken:</b> North	<b>Description:</b> Excavated next to DRMS-installed culvert, water muddy from soil disturbance.	



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine		<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>3</b>	<b>Date:</b> 08/04/2015	 08/04/2015 11:36	<b>Direction Photo Taken:</b> Down
<b>Description:</b> Seepage from soil next to piping.			
<b>Photo No.</b> <b>4</b>	<b>Date:</b> 08/04/2015	 08/04/2015 11:36	<b>Direction Photo Taken:</b> Down
<b>Description:</b> Seepage next to the pipe is clear until entering disturbed soil.			



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>5</b>	Date: 08/04/2015		
Direction Photo Taken:	North		
Description:	DRMS looking at adit excavation progress.		
Photo No. <b>6</b>	Date: 08/04/2015		
Direction Photo Taken:	West		
Description:	Water minimally murky from disturbed soil and water entering the North Fork from site.		



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. 7	Date: 08/04/2015	 08/04/2015 11:51	
Direction Photo Taken:	South/Down		
Description:	Hay bales installed as filter for sediment in North Fork.		
Photo No. 8	Date: 08/04/2015	 08/04/2015 11:55	
Direction Photo Taken:	Northwest		
Description:	Continuing excavation at the collapsed adit, no solid bedrock found for tunnel support.		



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>9</b>	<b>Date:</b> 08/04/2015	
<b>Direction Photo Taken:</b> Northeast	<b>Description:</b> First signs of adit, support pillar with lagging.	
<b>Photo No.</b> <b>10</b>	<b>Date:</b> 08/04/2015	
<b>Direction Photo Taken:</b> East	<b>Description:</b> Water of the North Fork just upstream of Cement Creek.	



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>11</b> <b>Direction Photo Taken:</b> East  <b>Description:</b> Water of the North Fork just upstream of Cement Creek.		
<b>Photo No.</b> <b>12</b> <b>Direction Photo Taken:</b> North  <b>Description:</b> Collapsed supports uncovered above anticipated adit, no sign of bedrock above the adit area.		



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>13</b>	<b>Date:</b> 08/05/2015	 08/05/2015 09:15
<b>Direction Photo Taken:</b> North	<b>Description:</b> Adit conditions the morning of 8/5.	 08/05/2015 09:28



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>15</b>	<b>Date:</b> 08/05/2015	 <p><b>Direction Photo Taken:</b> North</p> <p><b>Description:</b> Bedrock found above the anticipated adit.</p>
<b>Photo No.</b> <b>16</b>	<b>Date:</b> 08/05/2015	 <p><b>Direction Photo Taken:</b> North</p> <p><b>Description:</b> Cleaning out excavated material, small leak.</p>



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>17</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> North	 08/05/2015 10:51
<b>Description:</b> Small leak close up.			
Photo No. <b>18</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> North	 08/05/2015 10:54
<b>Description:</b> Hole starting to give way to flow.			



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine		<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>19</b>	<b>Date:</b> 08/05/2015		<b>Direction Photo Taken:</b> Northeast
<b>Description:</b> Adit flow increasing.			
<b>Photo No.</b> <b>20</b>	<b>Date:</b> 08/05/2015		<b>Direction Photo Taken:</b> Northeast
<b>Description:</b> Water flooding out at increased rate.			

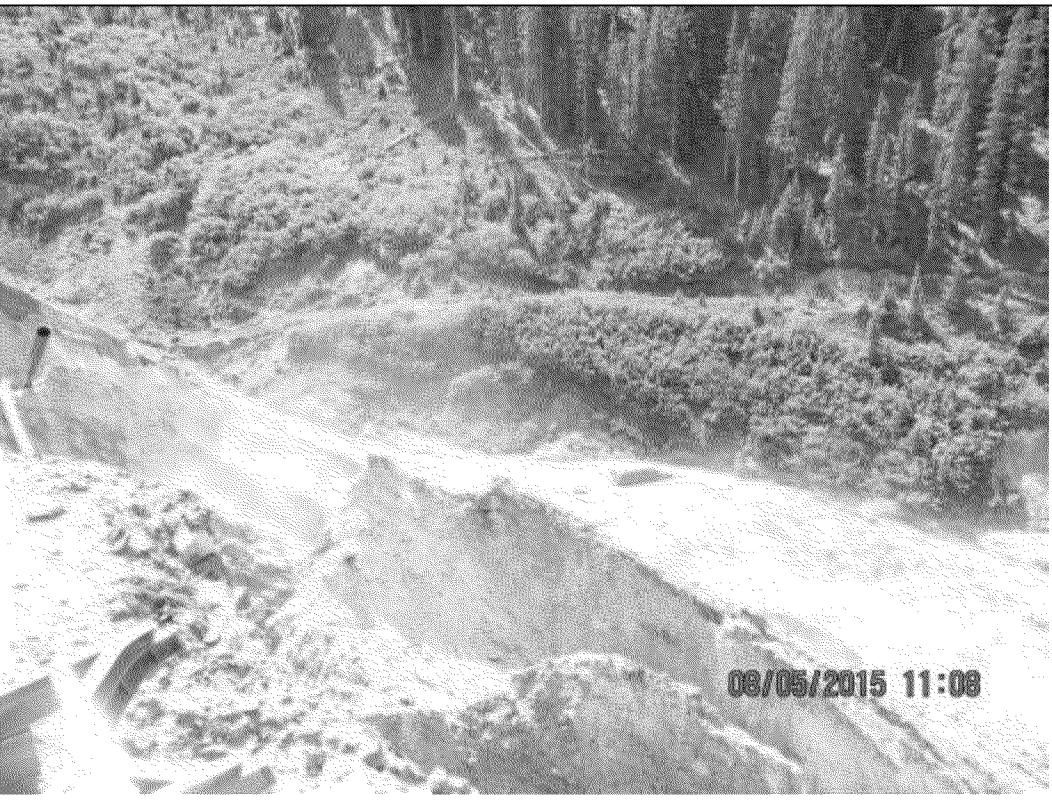


## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>21</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> West	
<b>Description:</b> Water flowing along access road and across waste dump.			
Photo No. <b>22</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> Southeast	
<b>Description:</b> Water flowing over the edge of the waste dump and collapsing the edge.			



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<b>Project Name:</b> Gold King Mine		<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>23</b>	<b>Date:</b> 08/05/2015		<b>Direction Photo Taken:</b> Southwest
<b>Description:</b> Exit route starting to collapse			
<b>Photo No.</b> <b>24</b>	<b>Date:</b> 08/05/2015		<b>Direction Photo Taken:</b> Southeast/Down
<b>Description:</b> Edge of the tailings dump collapsed, suburban trapped and half submerged in center of photo.			



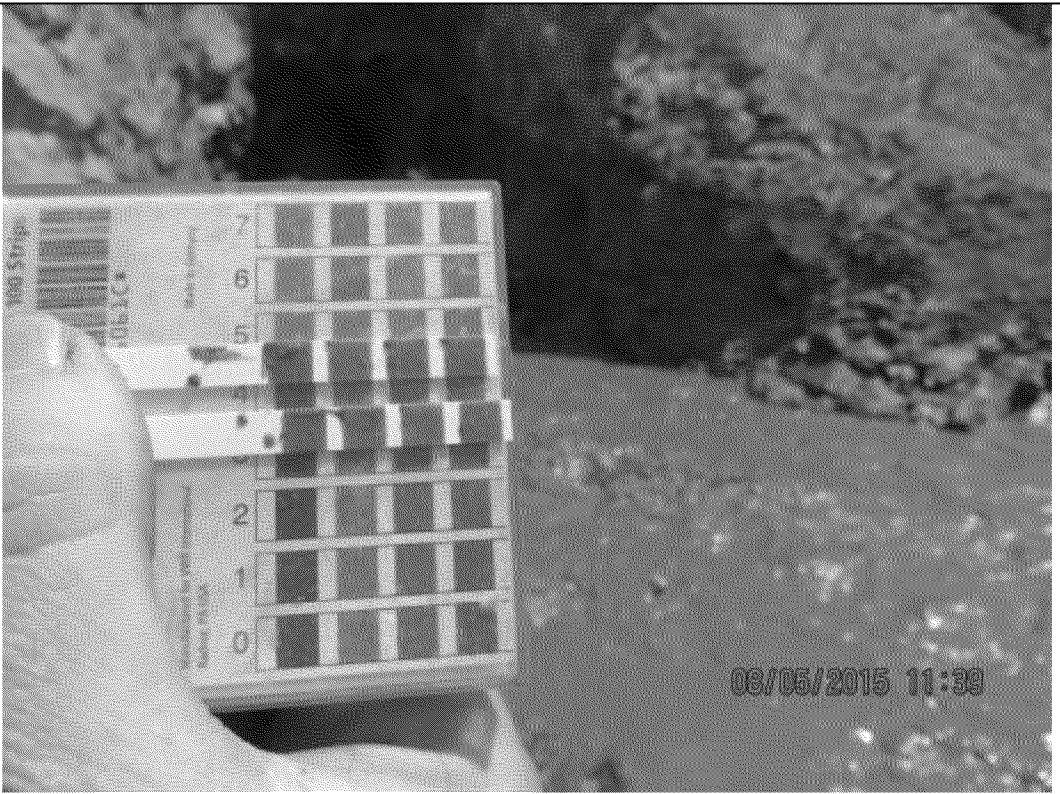
## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine		<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>25</b>	<b>Date:</b> 08/05/2015	 08/05/2015 11:09	<b>Direction Photo Taken:</b> Northeast
<b>Description:</b> Gold King adit exposed.			
<b>Photo No.</b> <b>26</b>	<b>Date:</b> 08/05/2015	 08/05/2015 11:11	<b>Direction Photo Taken:</b> Southeast
<b>Description:</b> Water flow washing out the existing road. Note Suburban in left side of photo.			



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<b>Photo No.</b> <b>27</b>	<b>Date:</b> 08/05/2015	 A black and white photograph showing a dark, narrow opening in a rocky, overhanging cliff face. The entrance is roughly 10 feet wide by 15 feet high. The surrounding rock is light-colored and textured. A timestamp "08/05/2015 11:39" is visible in the bottom right corner of the photo area.
<b>Direction Photo Taken:</b> North	<b>Description:</b> Exposed adit, roughly 10 feet wide by 15 feet high.	 A black and white photograph of a pH test strip held vertically. The strip has a color scale from 0 to 7 and a series of small squares. The background is dark and textured. A timestamp "08/05/2015 11:39" is visible in the bottom right corner of the photo area.



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>29</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> Northeast	 08/05/2015 11:56
<b>Description:</b> Excavator redirecting water into existing half-pipe channel.			
Photo No. <b>30</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> Southeast/Down	 08/05/2015 11:55
<b>Description:</b> Collapsed portion of waste dump and road wash out.			



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>31</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> Northeast	
Description: Adit area after regrading.			
Photo No. <b>32</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> North	
Description: Exposed adit and redirected flow, flow is beginning to subside.			



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>33</b>	Date: 08/05/2015		08/05/2015 12:06
Direction Photo Taken:	East		
Description:	Redirected flow into existing half culvert channel.		
Photo No. <b>34</b>	Date: 08/05/2015		08/05/2015 12:06
Direction Photo Taken:	North		
Description:	Closeup of adit.		



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>35</b>  <b>Direction Photo Taken:</b> West  <b>Description:</b> Excavator beginning work to secure safe exit route for equipment, vehicles, and personnel.	 08/05/2015 12:14	
<b>Photo No.</b> <b>36</b>  <b>Direction Photo Taken:</b> East  <b>Description:</b> Existing flow channel at maximum capacity.	 08/05/2015 12:18	



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>37</b>	Date: 08/05/2015		
Direction Photo Taken:	Southwest/Down		
Description:	Excavator progress on fixing access road to create a safe exit route.		
Photo No. <b>38</b>	Date: 08/05/2015		
Direction Photo Taken:	East		
Description:	Existing culvert flows subsiding minimally.		



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>39</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> North	
<b>Description:</b> No changes visible in adit structure or supports. Sloughing of materials inside the mine can be heard.			
Photo No. <b>40</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> South/Down	
<b>Description:</b> Excavator progresses to washed out North Fork crossing.			



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>41</b>	Date: 08/05/2015		
Direction Photo Taken:	Southwest/Down		
Description:	Noted visitor to the site, unknown person, walked up to excavator at North Fork crossing and then back to vehicle.		
Photo No. <b>42</b>	Date: 08/05/2015		
Direction Photo Taken:	Southwest/Down		
Description:	Visitor leaving.		



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>43</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> South/Down	 A black and white photograph showing an excavator working on a dirt road or clearing debris from a path. The road is surrounded by rocky terrain and some snow patches. A timestamp in the bottom right corner reads "08/05/2015 13:45".
Description: Excavator continues to fix access road. Continued high flow is slowing progress.			
Photo No. <b>44</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> East	 A black and white photograph showing a steep, rocky hillside. A small stream or culvert is visible flowing down the slope. A timestamp in the bottom right corner reads "08/05/2015 14:03".
Description: Half culvert flow continues to subside.			



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>45</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> North	
<b>Description:</b>  Water levels lowering at adit entrance, no visible changes to structure.			
Photo No. <b>46</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> West	
<b>Description:</b>  Flight for life Helicopter coming up the valley to pick up a person who crashed a vehicle on Corkscrew Pass, not related to this event.			



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<b>Project Name:</b> Gold King Mine		<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>47</b>	<b>Date:</b> 08/05/2015	 08/05/2015 14:16	<b>Direction Photo Taken:</b> Southwest
<b>Description:</b> Close up of Flight for Life.			
<b>Photo No.</b> <b>48</b>	<b>Date:</b> 08/05/2015	 08/05/2015 15:01	<b>Direction Photo Taken:</b> Northeast
<b>Description:</b> Flow path from adit, water flow appears to have stabilized around 1400.			



## PHOTOGRAPH LOG

Project Name:		Site Location:	Project No.
Gold King Mine		Silverton, San Juan County, Colorado	0001/1408-01
Photo No. <b>49</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> North	
Description: pH measured at approximately 4.5.			
Photo No. <b>50</b>	Date: 08/05/2015	<b>Direction Photo Taken:</b> Southwest/Down	
Description: DRMS arrives back on site, had visited the site around 0930 to check on progress of investigation, left approximately 1030, prior to blowout.			



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<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>51</b>  <b>Direction Photo Taken:</b> North	<b>Date:</b> 08/05/2015  <b>Description:</b> Looking up from the toe of the Gold King waste dump directly south of the adit.	
<b>Photo No.</b> <b>52</b>  <b>Direction Photo Taken:</b> Northeast	<b>Date:</b> 08/05/2015  <b>Description:</b> Gold King Mine tailings dump after water discharge.	



## PHOTOGRAPH LOG

<b>Project Name:</b> Gold King Mine	<b>Site Location:</b> Silverton, San Juan County, Colorado	<b>Project No.</b> 0001/1408-01
<b>Photo No.</b> <b>53</b>	<b>Date:</b> 08/05/2015	<b>Direction Photo Taken:</b> East
<b>Description:</b>  Looking east across Cement Creek from County Road 10 to excavator fixing County Road 52 at North Fork crossing just south of Red and Bonita Mine.		
<b>Photo No.</b> <b>54</b>	<b>Date:</b> 08/05/2015	<b>Direction Photo Taken:</b> East
<b>Description:</b>  Cement Creek crossing at Gladstone.		



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